JACC
Cardiovascular Interventions
A Journal of the American College of Cardiology

AUGUST 2014
VOLUME 7
NUMBER 8

INSIDE THIS ISSUE

CME
JACC: Cardiovascular Interventions CME is available online. Go to http://interventions.onlinejacc.org/ to participate.

Articles with this symbol are accompanied by videos. Please go to www.jacc-interventions.org/ to view.

CONTINUED ON PAGE A-27

JACC Cardiovascular Interventions

CONTENTS

PAGE A-27

AUGUST 2014 VOLUME 7, NUMBER 8

CONTINUED ON PAGE A-28

JACC Cardiovascular Interventions

CONTENTS

PAGE A-28

AUGUST 2014 VOLUME 7, NUMBER 8

STRUCTURAL

Up to 50% of patients with symptomatic severe mitral valve (MV) regurgitation (MR) are denied for surgery due to high perioperative risk. Transcatheter MV repair might be an alternative. Swaans and colleagues compared survival between transcatheter MV repair using the MitraClip system (Abbott Vascular, Santa Clara, California) (n = 139), MV surgery (n = 53), and conservative treatment (n = 59) in high-surgical-risk patients with symptomatic severe MR. The authors show that despite a higher logistic European System for Cardiac Operative Risk Evaluation, high-surgical-risk patients with severe symptomatic MR treated with transcatheter MV repair show similar survival rates compared with surgically treated patients, with both displaying survival benefit compared with conservative treatment.

Paravalvular regurgitation (PVR) and the need for balloon post-dilation (PD) are important outcomes following transcatheter aortic valve replacement given the associated morbidity and mortality that may occur. Previous literature has been mixed regarding the role of calcification in different locations of the aortic valve complex on PVR and PD. In the current study, Khalique et al. have found that calcification in all regions of the aortic valve complex significantly predicts PVR and PD. Leaflet and anchoring zone calcification are independent predictors of PVR and PD when factoring in relative valve to annulus sizing.

SEE ADDITIONAL CONTENT ONLINE

CONTINUED ON PAGE A-29

JACC Cardiovascular Interventions

CONTENTS

PAGE A-29

AUGUST 2014 VOLUME 7, NUMBER 8

CONTINUED ON PAGE A-30

JACC Cardiovascular Interventions

CONTENTS

PAGE A-30

AUGUST 2014 VOLUME 7, NUMBER 8

CONTINUED ON PAGE A-31

JACC Cardiovascular Interventions

CONTENTS

PAGE A-31

AUGUST 2014 VOLUME 7, NUMBER 8

IMAGES IN INTERVENTION

■ ONLINE FEATURE THESE ARTICLES ARE AVAILABLE ONLY IN THE ONLINE VERSION OF THIS ISSUE

CONTINUED ON PAGE A-32

JACC Cardiovascular Interventions

CONTENTS

PAGE A-32

AUGUST 2014 VOLUME 7, NUMBER 8